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(54) Title: LIPOPHILIC DIESTERS OF CHELATING AGENT FOR INHIBITION OF ENZYME ACTIVITY

(57) Abstract: The present invention relates to the use of lipophilic diesters of the chelating agent 1,2-bis(2 aminophenoxy)ethane-N,N,N',N'-tetraacetic acid (BAPTA) for inhibition of proteolytic activities of certain metalloproteinases and of calpain. The invention further relates to methods for preventing, treating or managing MMP-related and calpain-related diseases or disorders in mammals comprising administering to a mammal in need thereof, a pharmaceutical composition comprising a therapeutically effective amount of said lipophilic diesters of the chelating agent BAPTA.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/00225

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07C 229/00, 249/00, 381/00, 205/00, 291/00, 233/00, 211/00, 335/00
 US CL : 560/358, 44 ; 562/426, 434, 435, 437, 438, 440, 457; 564/ 211, 214, 27, 305

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 560/358, 44 ; 562/426, 434, 435, 437, 438, 440, 457; 564/ 211, 214, 27, 305

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 WEST searches: MMP, calpain, metalloproteinases, BAPTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO99/16741 A2(D-PHARM LIMITED) 08 April 1999, page 5, lines 20-23; page 9, lines 15-26; page 12, lines 16-19.	1,3-5, 9-17, and 26-31

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
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"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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